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By Juliana Hermes
QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.
Juliana Hermes

Attorney Docket No. 54-000240US
Client Ref. No. 983.4/ TSR0733P

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Confirmation No.
Jason W. Chin, et al.	Examiner: Unassigned
Application No.: 10/825,867	Art Unit: 1651
Filed: April 16, 2004	
For: EXPANDING THE EUKARYOTIC GENETIC CODE	INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97 and § 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

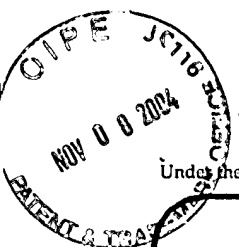
Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action on the merits per 37 CFR 1.97(b)(3). However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-0893. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jonathan Alan Quine". The signature is fluid and cursive, with the first name "Jonathan" being more prominent than the last name "Quine".

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PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number

10/825,867

Filing Date

April 16, 2004

First Named Inventor

Jason W. Chin

Group Art Unit

1651

Examiner Name

Unassigned

Total Number of Pages in This Submission

Attorney Docket Number

54-000240US

ENCLOSURES (check all that apply)☐

Fee Transmittal Form

☐

Fee Attached

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Amendment / Response

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After Final

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Affidavits/declaration(s)

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Extension of Time Request

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Express Abandonment Request

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Information Disclosure Statement

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Certified Copy of Priority Document(s)

☐Response to Missing Parts/
Incomplete Application☐Response to Missing
Parts under 37 CFR
1.52 or 1.53☐Assignment Papers
(for an Application)☐

Drawing(s)

☐

Licensing-related Papers

☐Petition Routing Slip (PTO/SB/69)
and Accompanying Petition☐Petition to Convert to a
Provisional Application☐Power of Attorney, Revocation
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Terminal Disclaimer

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Small Entity Statement

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Request for Refund

☐After Allowance Communication
to Group☐Appeal Communication to Board
of Appeals and Interferences☐Appeal Communication to Group
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Proprietary Information

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Status Letter

☒Additional Enclosure(s)
(please identify below):Form 1449, cited references
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENTFirm
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Individual name

Jonathan Alan Quine, Reg. No. 41,261, Quine Intellectual Property Law Group, P.C.

Signature

Date

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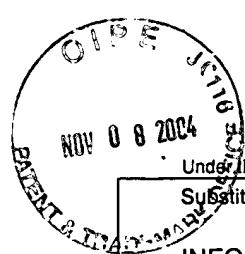
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Substitute for form 1449A-B/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

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First Named Inventor	Jason W. Chin
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Examiner Name	Unassigned
Attorney Docket Number	54-000240US
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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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		Office	Number	Kind Code (if known)				
	1	WO	2002/086075		The Scripps Research Institute	10-31-2002		
	2	WO	2002/085923		The Scripps Research Institute	10-31-2002		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	3	Anderson et al., (2002) <i>Exploring the Limits of Codon and Anticodon Size</i> , <u>Chemistry and Biology</u> , 9:237-244	
	4	Blake (2001) <i>Cellular screening assays using fluorescence microscopy</i> <u>Curr. Opin. Pharmacol.</u> , 1:533-539	
	5	Bolletta, F. et al., (1996) <i>Synthesis and Photophysical Properties of Fluorescent Derivatives of Methylmercury</i> , <u>Organometallics</u> 15:2415-17	
	6	Carboni, B et al., (1993) <i>Aliphatic Amino Azides as Key Building Blocks for Efficient Polyamine Syntheses</i> , <u>J. Org. Chem.</u> 58:3736-3741	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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7	Chin et al., (2002), <i>Addition of p-Azido-L-phenylalanine to the Genetic code of Escherichia coli</i> , <u>J. Am. Chem. Soc.</u> 124:9026-9027	
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9	Chin, et al., (2002), <i>Addition of a Photocrosslinker to the Genetic Code of Escherichia coli</i> , <u>Proc. Natl. Acad. Sci. U. S. A.</u> 99:11020-11024	
10	Chin, et al., (2003) <i>Progress toward an expanded eukaryotic genetic code</i> , <u>Chem. Biol.</u> , 10(6):511-519	
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12	Cornish, et al., (1996) <i>Site-Specific Protein Modification Using a Ketone Handle</i> , <u>Journal of the American Chemical Society</u> 118:8150-8151	
13	Crisp, G. T.; & Gore, J. (1997) <i>Preparation of Biological Labels with Acetylenic Linker Arms</i> , <u>Tetrahedron</u> 53:1505-1522	
14	Feng et al., (2003), <i>Expanding tRNA recognition of a tRNA synthetase by a single amino acid change</i> , <u>PNAS</u> 100(10): 5676-5681.	
15	Forster et al., (2003) <i>Programming peptidomimetic synthetases by translating genetic codes designed de novo</i> <u>PNAS</u> 100(11):6353-6357	
16	Francklyn et al., (2002), <i>Aminoacyl-tRNA synthetases: Versatile players in the changing theater of translation</i> ; <u>RNA</u> , 8:1363-1372	
17	Griffin, et al., (1998) <i>Specific covalent labeling of recombinant protein molecules inside live cells</i> , <u>Science</u> 281:269-272.	
18	Hamano-Takaku et al., (2000) <i>A mutant Escherichia coli Tyrosyl-tRNA Synthetase Utilizes the Unnatural Amino Acid Azatyrosine More Efficiently than Tyrosine</i> , <u>Journal of Biological Chemistry</u> , 275(51):40324-40328	
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21	Lemieux, & Bertozzi, (1996) <i>Chemoselective ligation reactions with proteins, oligosaccharides and cells</i> , <u>TIBTECH</u> , 16:506-513	
22	Liu, D.R. & Schultz, P.G. (1999) <i>Progress toward the evolution of an organism with an expanded genetic code</i> . <u>PNAS United States</u> 96:4780-4785	
23	Magliery, (2001) <i>Expanding the Genetic Code: Selection of Efficient Suppressors of Four-</i>	

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		<i>base Codons and Identification of "Shifty" Four-base Codons with a Library Approach in Escherichia coli, J. Mol. Biol. 307: 755-769</i>	
	24	Mahal, et al., (1997) <i>Engineering chemical reactivity on cell surfaces through oligosaccharide biosynthesis, Science</i> , 276:1125-1128	
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	30	Wang, et al., (2001), <i>Expanding the genetic code of Escherichia coli, Science</i> 292:498-500	
	31	Wang, et al., (2002), <i>Adding L-3-(2-naphthyl)alanine to the genetic code of E-coli, J. Am. Chem. Soc.</i> 124:1836-1837	
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	33	Wang, et al., (2003) <i>Addition of the keto functional group to the genetic code of Escherichia coli, Proc. Natl. Acad. Sci.</i> , 100:56-61	
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	37	Zhang et al., (2002), <i>The selective incorporation of alkenes into proteins in Escherichia coli, Angewandte Chemie. International Ed. in English</i> 41:2840-2842	
	38	Zhang, et al., (2003) <i>A new strategy for the site-specific modification of proteins in vivo, Biochemistry</i> , 42:6735-6746	

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